

## SEQUENCE LISTING

&lt;110&gt; Kyoto University

&lt;120&gt; Pharmaceutical composition comprising a CXCR3 inhibitor

&lt;130&gt; 665078

&lt;150&gt; JP JP 2004-065612

&lt;151&gt; 2004-03-09

&lt;160&gt; 34

&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 368

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

Met Val Leu Glu Val Ser Asp His Gln Val Leu Asn Asp Ala Glu Val  
 1 5 10 15

Ala Ala Leu Leu Glu Asn Phe Ser Ser Ser Tyr Asp Tyr Gly Glu Asn  
 20 25 30

Glu Ser Asp Ser Cys Cys Thr Ser Pro Pro Cys Pro Gln Asp Phe Ser  
 35 40 45

Leu Asn Phe Asp Arg Ala Phe Leu Pro Ala Leu Tyr Ser Leu Leu Phe  
 50 55 60

Leu Leu Gly Leu Leu Gly Asn Gly Ala Val Ala Ala Val Leu Leu Ser  
 65 70 75 80

Arg Arg Thr Ala Leu Ser Ser Thr Asp Thr Phe Leu Leu His Leu Ala  
 85 90 95

Val Ala Asp Thr Leu Leu Val Leu Thr Leu Pro Leu Trp Ala Val Asp  
 100 105 110

Ala Ala Val Gln Trp Val Phe Gly Ser Gly Leu Cys Lys Val Ala Gly  
 115 120 125

Ala Leu Phe Asn Ile Asn Phe Tyr Ala Gly Ala Leu Leu Leu Ala Cys  
 130 135 140

Ile Ser Phe Asp Arg Tyr Leu Asn Ile Val His Ala Thr Gln Leu Tyr  
 145 150 155 160

Arg Arg Gly Pro Pro Ala Arg Val Thr Leu Thr Cys Leu Ala Val Trp  
 165 170 175

Gly Leu Cys Leu Leu Phe Ala Leu Pro Asp Phe Ile Phe Leu Ser Ala  
 180 185 190

His His Asp Glu Arg Leu Asn Ala Thr His Cys Gln Tyr Asn Phe Pro  
 195 200 205

Gln Val Gly Arg Thr Ala Leu Arg Val Leu Gln Leu Val Ala Gly Phe  
 210 215 220

Leu Leu Pro Leu Leu Val Met Ala Tyr Cys Tyr Ala His Ile Leu Ala  
 225 230 235 240

Val Leu Leu Val Ser Arg Gly Gln Arg Arg Leu Arg Ala Met Arg Leu  
 245 250 255

Val Val Val Val Val Val Ala Phe Ala Leu Cys Trp Thr Pro Tyr His  
 260 265 270

Leu Val Val Leu Val Asp Ile Leu Met Asp Leu Gly Ala Leu Ala Arg  
 275 280 285

Asn Cys Gly Arg Glu Ser Arg Val Asp Val Ala Lys Ser Val Thr Ser  
 290 295 300

Gly Leu Gly Tyr Met His Cys Cys Leu Asn Pro Leu Leu Tyr Ala Phe  
 305 310 315 320

Val Gly Val Lys Phe Arg Glu Arg Met Trp Met Leu Leu Leu Arg Leu  
 325 330 335

Gly Cys Pro Asn Gln Arg Gly Leu Gln Arg Gln Pro Ser Ser Ser Arg  
 340 345 350

Arg Asp Ser Ser Trp Ser Glu Thr Ser Glu Ala Ser Tyr Ser Gly Leu  
 355 360 365

<210> 2  
 <211> 1670  
 <212> DNA  
 <213> Homo sapiens

<400> 2  
 ccaaccacaa gcaccaaagc agaggggcag gcagcacacc acccagcagc cagagcacca 60  
 gccccagccat ggtccttgag gtgagtgacc accaagtgtt aaatgacgcc gaggttgccg 120  
 ccctcctgga gaacttcagc tcttctatg actatggaga aaacgagagt gactcgtgtt 180  
 gtacctcccc gccctgcccc caggacttca gcctgaactt cgaccgggcc ttcttgccag 240  
 ccctctacag cctctctttt ctgctggggc tgctgggcaa cggcgcggtg gcagccgtgc 300  
 tgctgagccg gcggacagcc ctgagcagca ccgacacctt cctgctccac ctagctgtag 360  
 cagacacgct gctgggtgtg acactgccgc tctgggcagt ggacgctgcc gtccagtggg 420  
 tctttggctc tggcctctgc aaagtggcag gtgccctctt caacatcaac ttctacgcag 480  
 gagccctcct gctggcctgc atcagctttg accgctacct gaacatagtt catgccacco 540  
 agctctaccg cggggggccc ccggcccgcg tgaccctcac ctgcctggct gtctgggggc 600  
 tctgcctgct tttagccctc ccagacttca tcttctgtc ggcccaccac gacgagcgcc 660  
 tcaacgccac ccactgccaa tacaacttcc cacaggtggg ccgcacggct ctgcgggtgc 720

tgcagctggt ggctggcttt ctgctgcccc tgctgggtcat ggcctactgc tatgcccaca 780  
 tcctggccgt gctgctggtt tccagggggc agcggcgccct gcggggccatg cggctggtgg 840  
 tggtaggtgt ggtggccttt gccctctgct ggacccccta tcacctggtg gtgctggtgg 900  
 acatcctcat ggacctgggc gctttggccc gcaactgtgg ccgagaaagc agggtagacg 960  
 tggccaagtc ggtcacctca ggctgggct acatgcactg ctgcctcaac ccgtgctct 1020  
 atgcctttgt aggggtcaag ttccgggagc ggatgtggat gctgctcttg cgcctgggct 1080  
 gcccacaacca gagagggtc cagaggcagc catcgtcttc ccgccgggat tcacctgtgt 1140  
 ctgagacctc agaggcctcc tactcgggct tgtgaggccg gaatccgggc tcccccttcg 1200  
 cccacagtct gacttccccg cattccaggc tcctccctcc ctctgccgga tctggctctc 1260  
 cccaatatcc tcgtccccgg gactcactgg cagccccagc accaccaggt ctcccgggaa 1320  
 gccaccctcc cagctctgag gactgcacca ttgctgctcc ttagctgcc aagcccatcc 1380  
 tgccgccga ggtggctgcc tggagcccca ctgcccttct catttgaaa ctaaaacttc 1440  
 atcttcccca agtgogggga gtacaaggca tggcgtagag ggtgctgccc catgaagcca 1500  
 cagcccaggc ctccagctca gcagtactg tggccatggt cccaagacc tctatatttg 1560  
 ctcttttatt tttatgtcta aaatcctgct taaaactttt caataaaca gatcgtcagg 1620  
 accaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1670

<210> 3  
 <211> 22  
 <212> DNA  
 <213> Artificial sequence

<220>  
 <223> DNA primer for PCR

<400> 3  
 gccggagcac cagccaagcc at

22

<210> 4  
 <211> 20  
 <212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 4

aggtggagca ggaaggtgtc

20

<210> 5

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 5

ctggaatcta ggaagtacca c

21

<210> 6

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 6

ccaaaaaggc ataaagcacc g

21

<210> 7

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 7

aagccatgta ccttgaggtt a

21

<210> 8

<211> 22

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 8

cagacagaga cccatacaa gc

22

<210> 9

<211> 24

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 9

cctagctcag ttctctggac atga

24

<210> 10

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 10

tcgcaggcct ctaagatacg a

21

<210> 11

<211> 28

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 11

ctgcctgggc cacagttcac ctctaatt

28

<210> 12

<211> 23

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 12

agaactcagc tctgcatga agt

23

<210> 13

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 13

aactccacac tgctccagga a

21

<210> 14

<211> 26

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 14

cgctgttctt ttcttttgg gcatca

26

<210> 15

<211> 23

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 15

ccagtgagaa tgaggccat agg

23

<210> 16

<211> 19

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 16

ctcaacacgt gggcaggat

19

<210> 17

<211> 25

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 17

aagcttgaaa tcatccctgc gagcc

25

<210> 18

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 18

caggaaggtc acagccatag c

21

<210> 19

<211> 19

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 19

caaagacagc gccoctgtt

19

<210> 20

<211> 29

<212> DNA



<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 20

ccacagctgc tcaaggcttc cttatgttc

29

<210> 21

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 21

caaagcagcc acctcatgct

20

<210> 22

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 22

atggccgtgc agatgtaatg

20

<210> 23

<211> 23

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 23

tccacaccct tgccctgctt caa

23

<210> 24

<211> 27

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 24

tgaattcaagc catgtacctt gaggtta  
7

2

<210> 25

<211> 27

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 25

ctcgagaatt acaagcccag gtaggag

27

<210> 26

<211> 25

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 26

cactgactct ctctgcctat tggtc

25

<210> 27

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer for PCR

<400> 27

aggagtggac agatccccaa a

21

<210> 28

<211> 30

<212> DNA  
 <213> Artificial sequence

<220>  
 <223> DNA probe for PCR

<400> 28  
 ctacccttgg acccagaggt tctttgagtc  
 1

2

<210> 29  
 <211> 21  
 <212> DNA  
 <213> Homo sapiens

<400> 29  
 aagtggcagg tgccctcttc a

21

<210> 30  
 <211> 21  
 <212> RNA  
 <213> Artificial sequence

<220>  
 <223> siRNA

<400> 30  
 guggcaggug cccucuucac t

21

<210> 31  
 <211> 21  
 <212> RNA  
 <213> Artificial sequence

<220>  
 <223> siRNA

<400> 31  
 ugaagagggc accugccact t

21

<210> 32  
 <211> 21  
 <212> DNA  
 <213> Homo sapiens

<400> 32  
aacgagagtg actcgtgctg t

21

<210> 33  
<211> 21  
<212> RNA  
<213> Artificial sequence

<220>  
<223> siRNA

<400> 33  
cgagagugac ucgugcugut t

21

<210> 34  
<211> 21  
<212> RNA  
<213> Artificial sequence

<220>  
<223> siRNA

<400> 34  
acagcacgag ucacucucgt t

21